United States Environmental Protection Agency
Region V
POLLUTION REPORT

Date: Wednesday, September 23, 2009
From: Theresa Holz, OSC

To: Theresa Holz, USEPA

Subject: Final POLREP
Matthiesson & Hegeler Zinc
1256 Sterling Street, La Salle, IL
Latitude: 41.3404086
Longitude: -89.0889801

POLREP No.:	2	**Site #:**	B568
Reporting Period:		**D.O. #:**	TO-12
Start Date:	9/8/2009	**Response Authority:**	CERCLA
Mob Date:	9/8/2009	**Response Type:**	Time-Critical
Demob Date:	9/12/2009	**NPL Status:**	NPL
Completion Date:	9/18/2009	**Incident Category:**	Removal Action
CERCLIS ID #:	IL0000064782	**Contract #**	EP-S5-09-05
RCRIS ID #:			

Site Description

The Matthiessen and Hegeler Zinc Site began operations in 1858 as a zinc smelter. A rolling mill was built on Site in 1866 to produce zinc sheets. Any sulfur dioxide created from the production of zinc sheets was recovered and converted into sulfuric acid and stored on Site. This Site also had an ammonium sulfate fertilizer plant which was operational during the 1950's. Coal mining occurred at the Site until 1937 as well. Zinc smelting ceased in 1961 and sulfuric acid manufacturing halted in 1968. From 1968 through 1978 the facility only performed rolling mill operations. The rolling mill was purchased in 1980 and became the LaSalle Rolling Mill. The company operated under contract with the United States Mint until 2000 when bankruptcy was declared.

In 2003, USEPA conducted an emergency removal action at the LaSalle Rolling Mill to address cyanide contamination, old plating line waste, and various other chemicals and storage tanks that remained after the closure of the mill. Also in 2003, this Site was listed on the NPL.

U.S. EPA Emergency Response Branch conducted an initial Site visit on August 15, 2008 per the request of the USEPA Remedial Project Manager, and a Site Assessment on August 26, 2008. The Removal Site Assessment identified a dilapidated laboratory building adjacent to the parking lot at the active Carus Chemical Company. Extreme amounts of dust throughout the building were found to contain high levels of lead and various other metals. Sample

analysis confirmed the presence of high concentrations of lead at 16,000 parts per million (ppm) and a Toxicity Characteristic Leaching Procedure (TCLP) value of 48 ppm, exceeding the USEPA Regional Screening Levels for Contaminants of Concern at Superfund Sites and the USEPA Soil Screening Levels criteria of 400 ppm; and exceeding the Superfund Lead-Contaminated Residential Sites Handbook Tier 1 properties criteria of 1,200 ppm. Cadmium, zinc and arsenic also exceeded EPA's screening criteria. Friable asbestos or ACM was also found throughout the Site during the Removal Site Assessment. ACM that contains over 1% Chrysotile and is friable is considered to be Regulated Asbestos-Containing Material. Sample analysis found the ACM to contain up to 20% Chrysotile. Currently workers are present throughout the Site and at adjacent properties; therefore, they can easily be exposed to the ACM and metal-contaminated dust. A large portion of the Site is wooded and animals are regularly seen throughout the Site.

Current Activities

On September 11, 2009, USEPA Contractors continued abating pipe wrap and dismantled the laboratory building. Approximately 10 feet of pipe wrap was abated. Approximately 83 tons of construction debris was transported off site from the dismantled laboratory building. Water was applied throughout the demolition activities to mitigate the migration of dust off site to nearby workers. Air sampling was conducted at four locations using AirCon 2 sampling pumps. One personal sample was collected during abatement activities. All asbestos air samples collected are being analyzed with a 24 hour turn around time.

Republic Services, Inc removed five 30 cubic yard roll-off boxes of construction debris from the site. The loads are being delivered to Land Comp Landfill in Ottawa, Illinois

On September 12, 2009, USEPA Contractors completed pipe wrap abatement, and completed loading all roll off boxes with construction debris and asbestos. Approximately 99 tons of construction debris from the dismantled laboratory building was transported off site. Approximately 25 feet of pipe wrap was abated.

Republic Services, Inc removed seven roll-off/end-dump loads of construction debris from the site. The loads are being delivered to Land Comp Landfill in Ottawa, Illinois

Daily air samples were reviewed, no results indicated the need for additional TEM analysis.

All equipment was decontaminated and all personnel demobilized from the site.

On September 16, 2009, one roll-off box containing 13.2 tons of construction debris was transported off site by Republic Services, Inc and delivered to Land Comp Landfill in Ottawa, Illinois.

On September 18, 2009, two final roll off boxes were transported off site by Republic Services, Inc and delivered to Land Comp Landfill in Ottawa, Illinois. One box contained 13.99 tons of construction debris and one box contained 8.86 tons of construction debris with friable asbestos.

For a list of all wastes transported off site, please refer to the Disposal Table in the Documents section.

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining
Extramural Costs				
ERRS - Cleanup Contractor	$100,000.00	$63,000.00	$37,000.00	37.00%
TAT/START	$22,000.00	$13,374.00	$22,000.00	39.21%
Intramural Costs				
Total Site Costs	$122,000.00	$76,374.00	$45,626.00	37.40%

* The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The OSC does not necessarily receive specific figures on final payments made to any contractor(s). Other financial data which the OSC must rely upon may not be entirely up-to-date. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.